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PATENT & TRADEMARK OFFICE

FIG.1

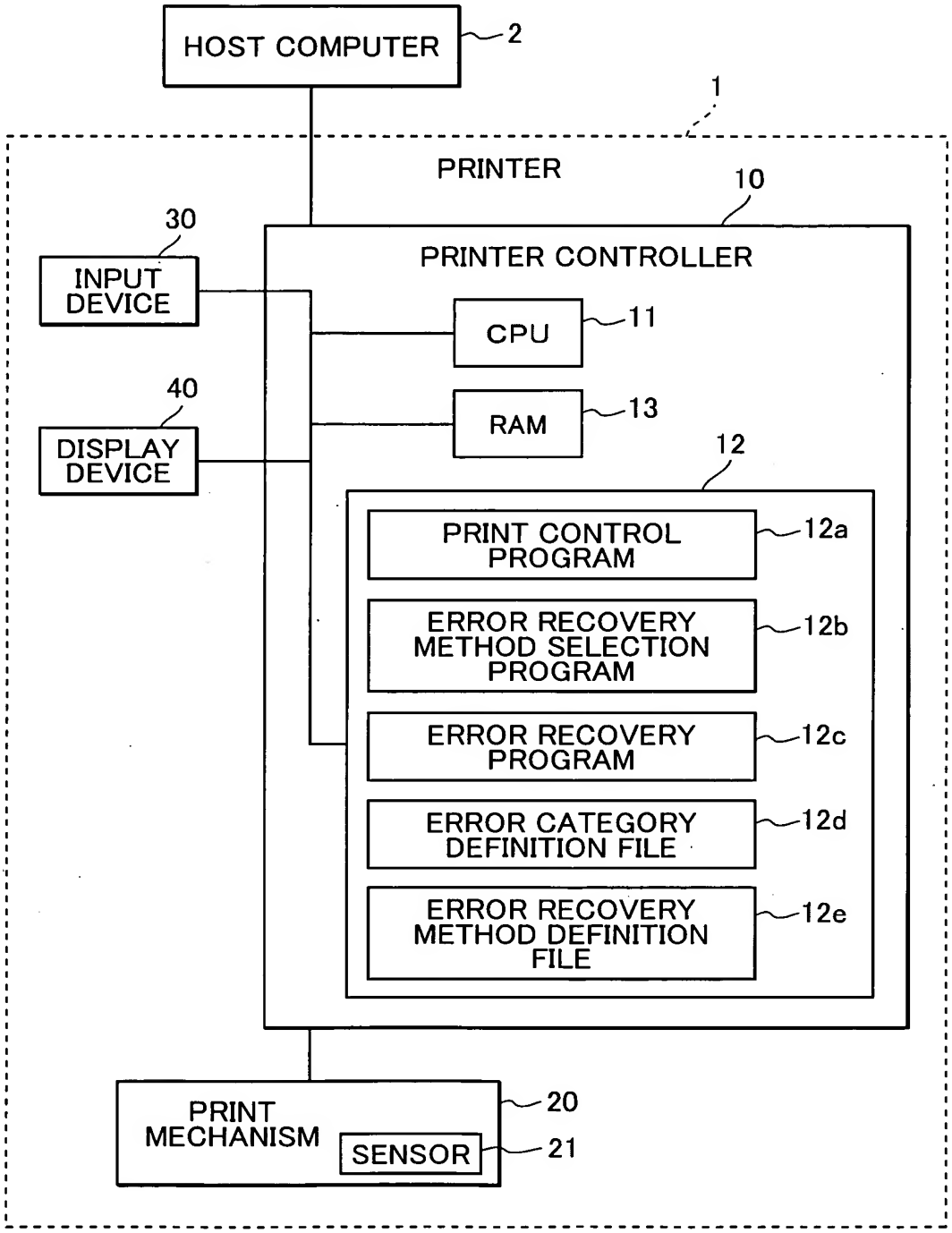


FIG.2

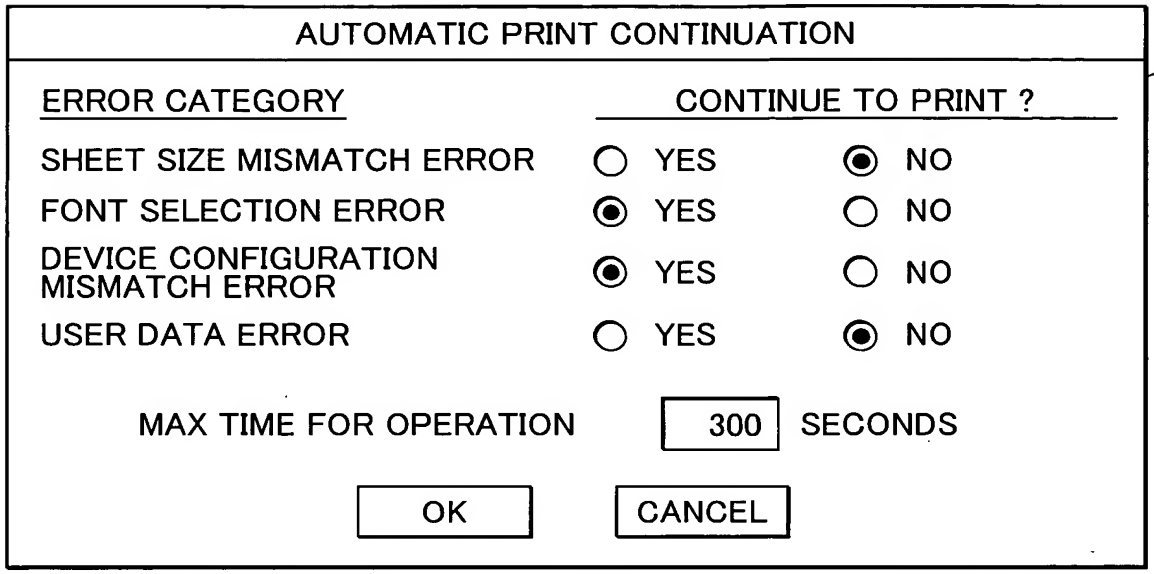


FIG.3

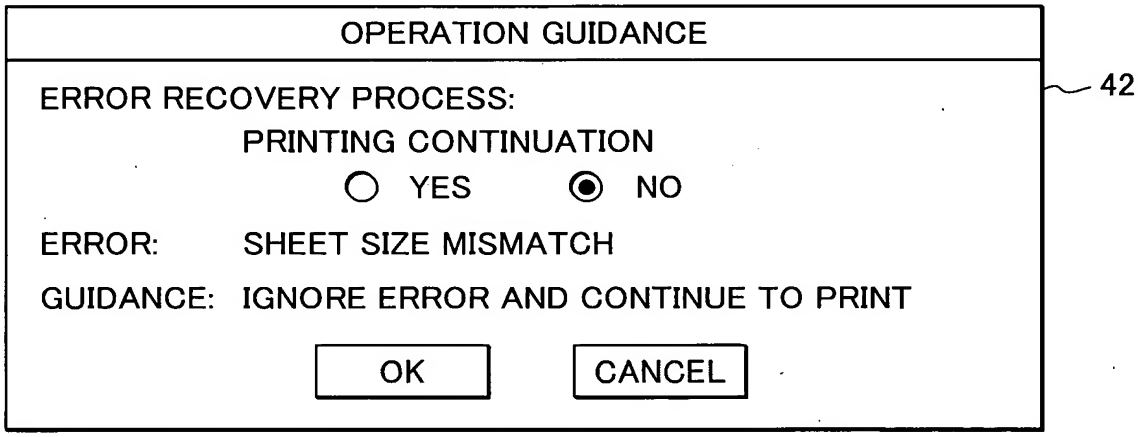


FIG.4

CLASSIFICATION CODE OF ERROR	DETAIL CODE OF ERROR
0x10	0x100001
0x10	0x100002
0x10	0x100003
0x10	0x100004
:	:
0x20	0x100001
0x20	0x100002
:	:
0xMM	0xNNNNNN

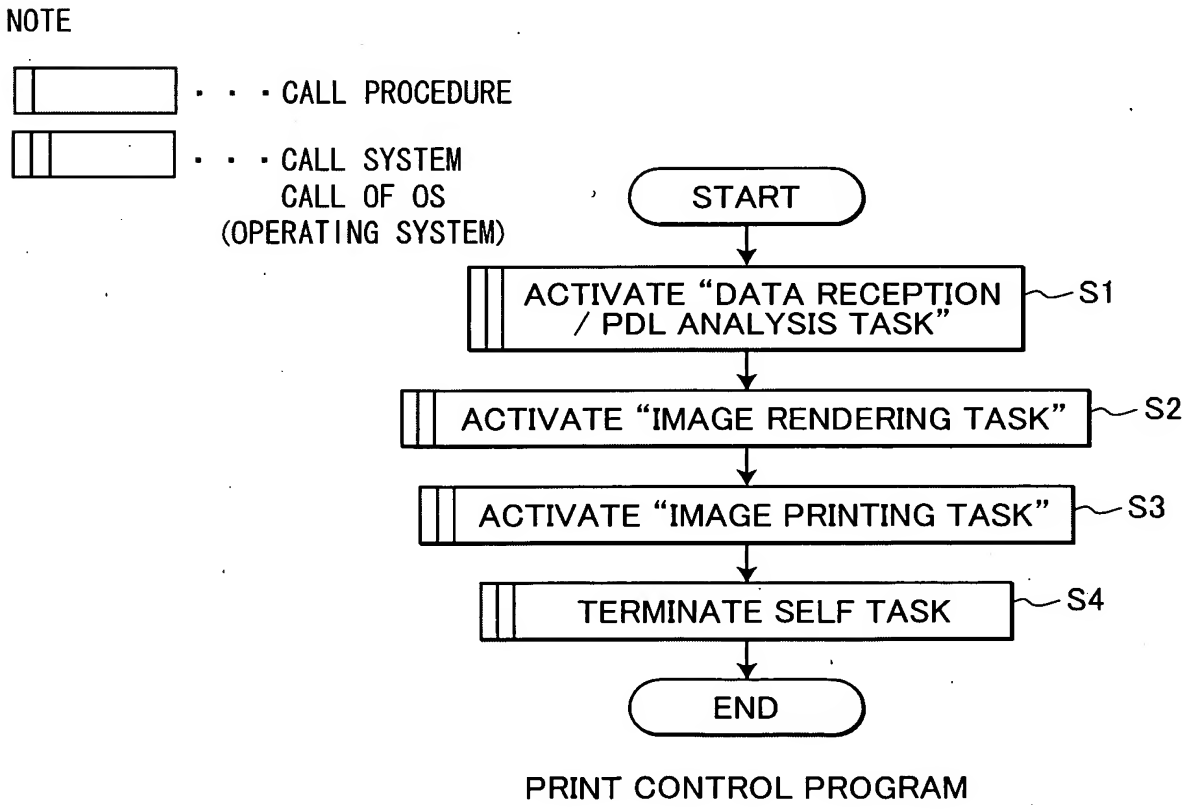
FIG.5

CLASSIFICATION CODE OF ERRORS	DETAIL CODE OF ERRORS
0x10: SHEET SIZE MISMATCH ERROR	0x10 0001: SHEET SIZE IS SMALLER THAN SPECIFIED 0x10 0002: SHEET SIZE IS LARGER THAN SPECIFIED
0x20: FONT SELECTION ERROR	0x20 0001: NO FONT FOR SPECIFIED "TYPEFACE" ATTRIBUTE 0x20 0002: NO FONT FOR SPECIFIED "SYMBOL SET" ATTRIBUTE 0x20 0003: NO FONT FOR SPECIFIED "STYLE" ATTRIBUTE 0x20 0004: NO FONT FOR SPECIFIED "SPACING" ATTRIBUTE 0x20 0005: SPECIFIED CHARACTER PITCH IS OUT OF RANGE 0x20 0006: SPECIFIED POINT SIZE OUT OF RANGE 0x20 0007: SPECIFIED STROKE WEIGHT OUT OF RANGE
0x30: DEVICE CONFIGURATION MISMATCH ERROR	0x30 0001: DUPLEX DATA SPECIFIED FOR SIMPLEX PRINTER 0x30 0002: SPECIFIED INPUT TRAY NOT FOUND 0x30 0003: SPECIFIED OUTPUT STACKER (BIN) NOT FOUND
0x40: USER DATA ERROR	0x40 0001: SPECIFIED PDL NOT FOUND 0x40 0002: INVALID COMMAND IN PDL 0x40 0003: UNDEDINED COMMAND IN PDL 0x40 0004: INVALID DATA FORMAT OF DOWNLOADED FONT 0x40 0005: SPECIFIED DOWNLOADED FONT NOT FOUND 0x40 0006: MEMORY CAPACITY NOT SUFFICIENT IN READING DOWNLOADED FONT 0x40 0007: MEMORY CAPACITY NOT SUFFICIENT IN WRITING DOWNLOADED FONT 0x40 0008: READ ERROR FOR DOWNLOADED FONT 0x40 0009: WRITE ERROR FOR DOWNLOADED FONT 0x40 000A: DOWNLOADED OVERLAY DATA FORMAT IS INVALID 0x40 000B: SPECIFIED OVERLAY DATA FILE NOT FOUND 0x40 000C: MEMORY CAPACITY NOT SUFFICIENT FOR DOWNLOADED OVERLAY DATA IN READING 0x40 000D: READ ERROR FOR DOWNLOADED OVERLAY DATA 0x40 000E: WRITE ERROR FOR DOWNLOADED OVERLAY DATA

FIG.6

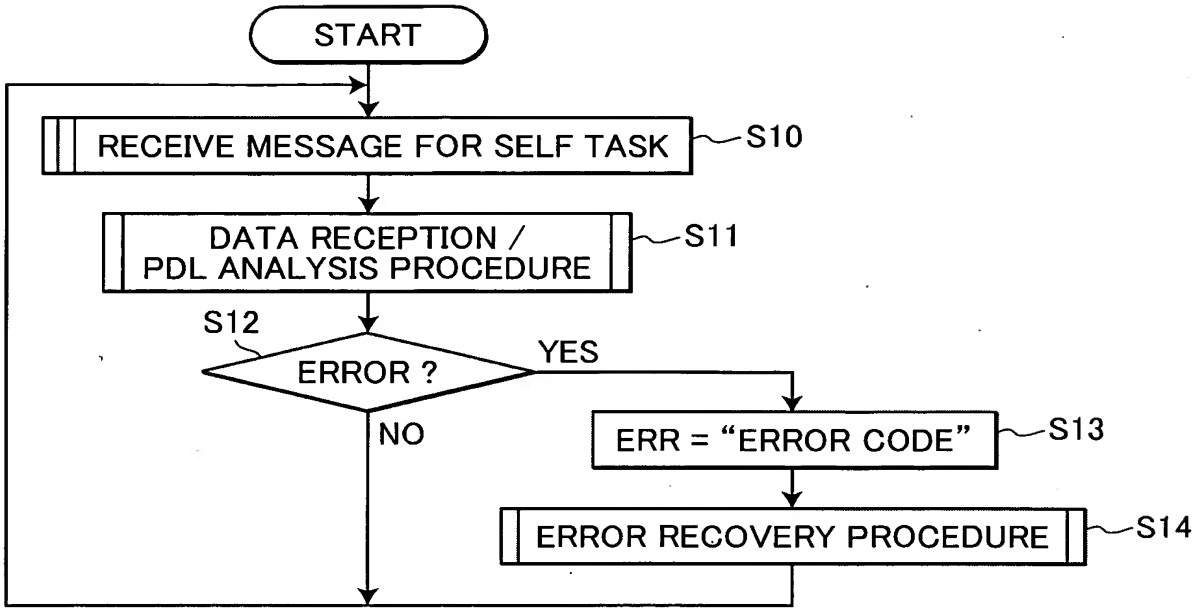
ERROR CATEGORY	ERROR RECOVERY METHOD
0x10: SHEET SIZE MISMATCH ERROR	0x00: RECOVERY BY USER OPERATION
0x20: FONT SELECTION ERROR	0x01: AUTOMATIC CONTINUATION
0x30: DEVICE CONFIGURATION MISMATCH ERROR	0x01: AUTOMATIC CONTINUATION
0x40: USER DATA ERROR	0x00: RECOVERY BY USER OPERATION

FIG.7



PRINT CONTROL PROGRAM

FIG.8



DATA RECEPTION / PDL ANALYSIS TASK

FIG.9

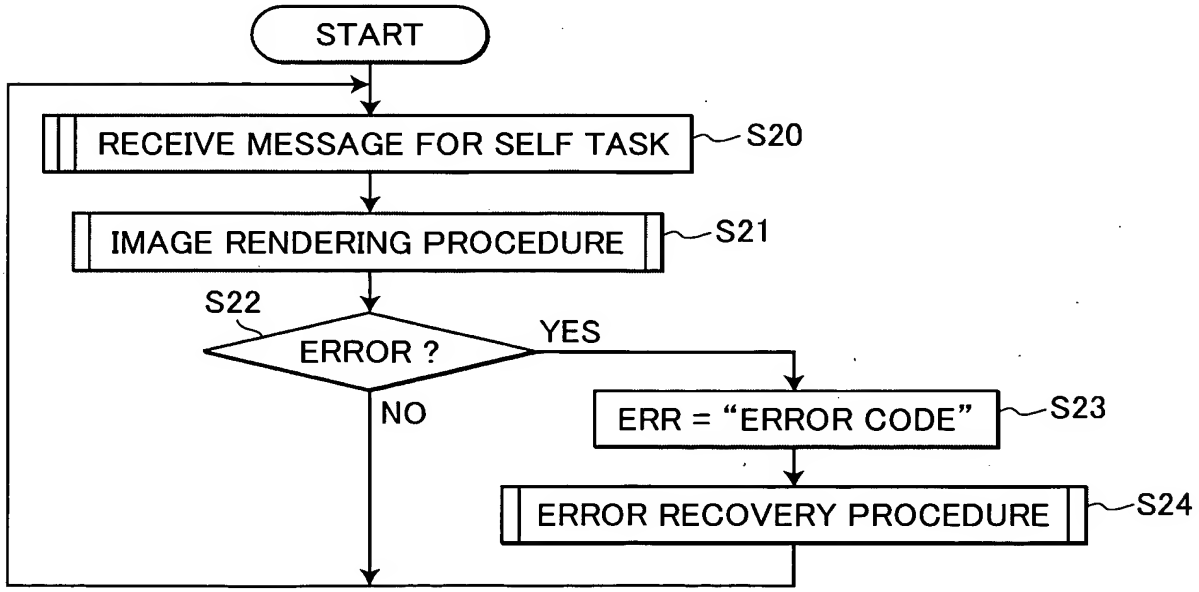


IMAGE RENDERING TASK

FIG.10

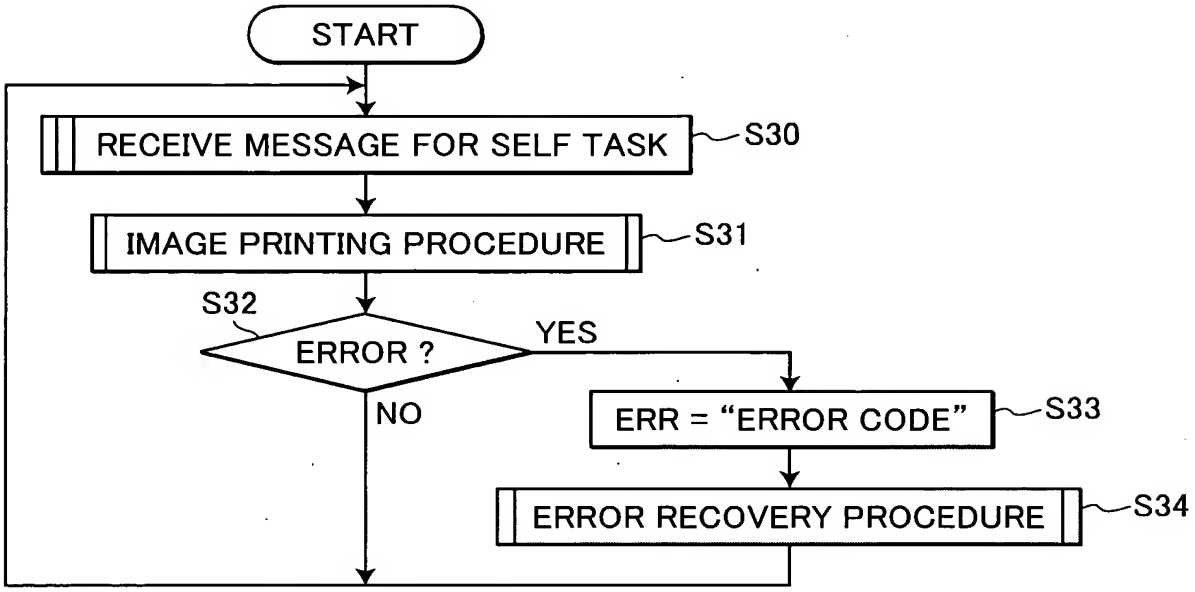
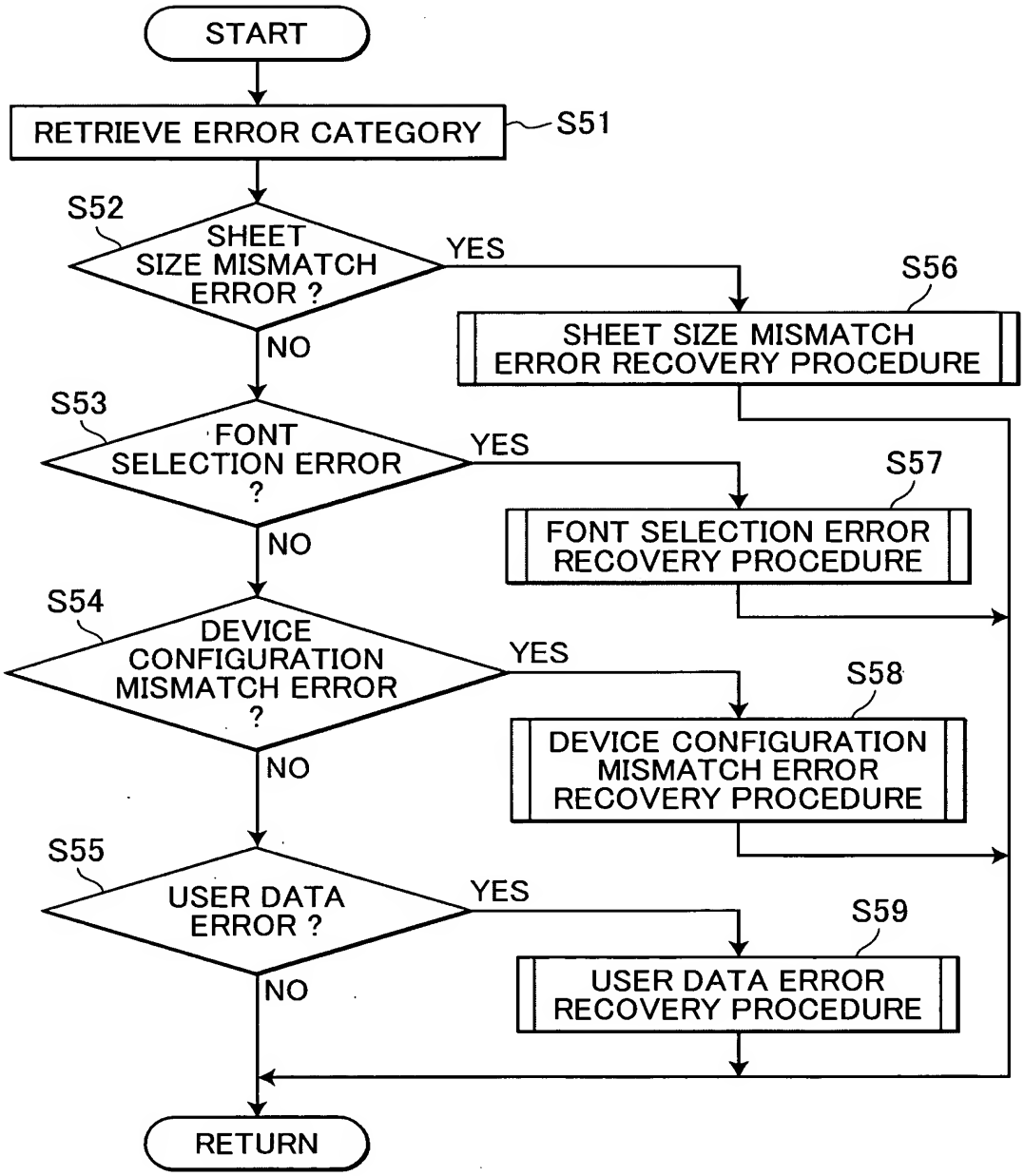


IMAGE PRINTING TASK

FIG.11



ERROR RECOVERY PROCEDURE

FIG.12

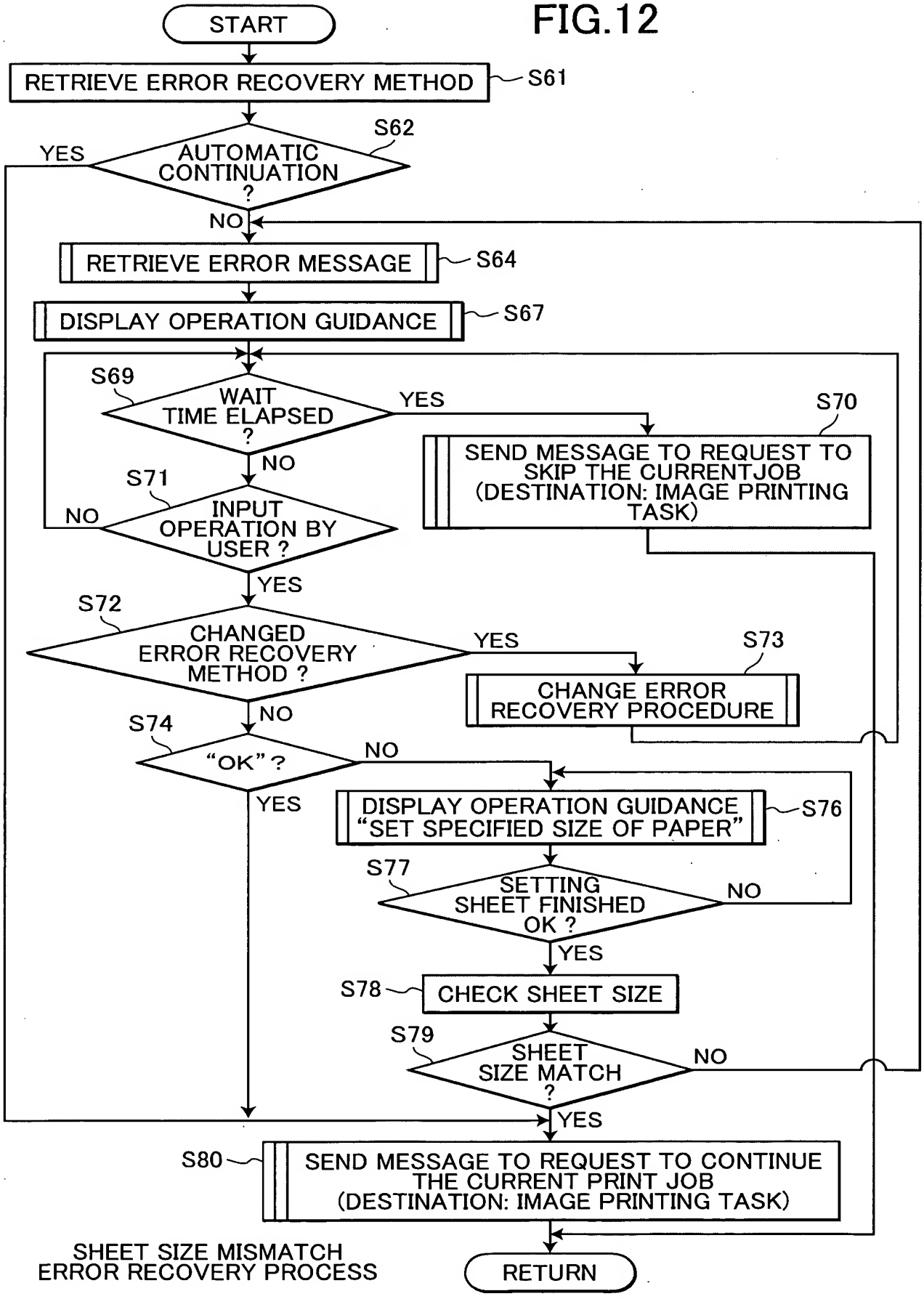
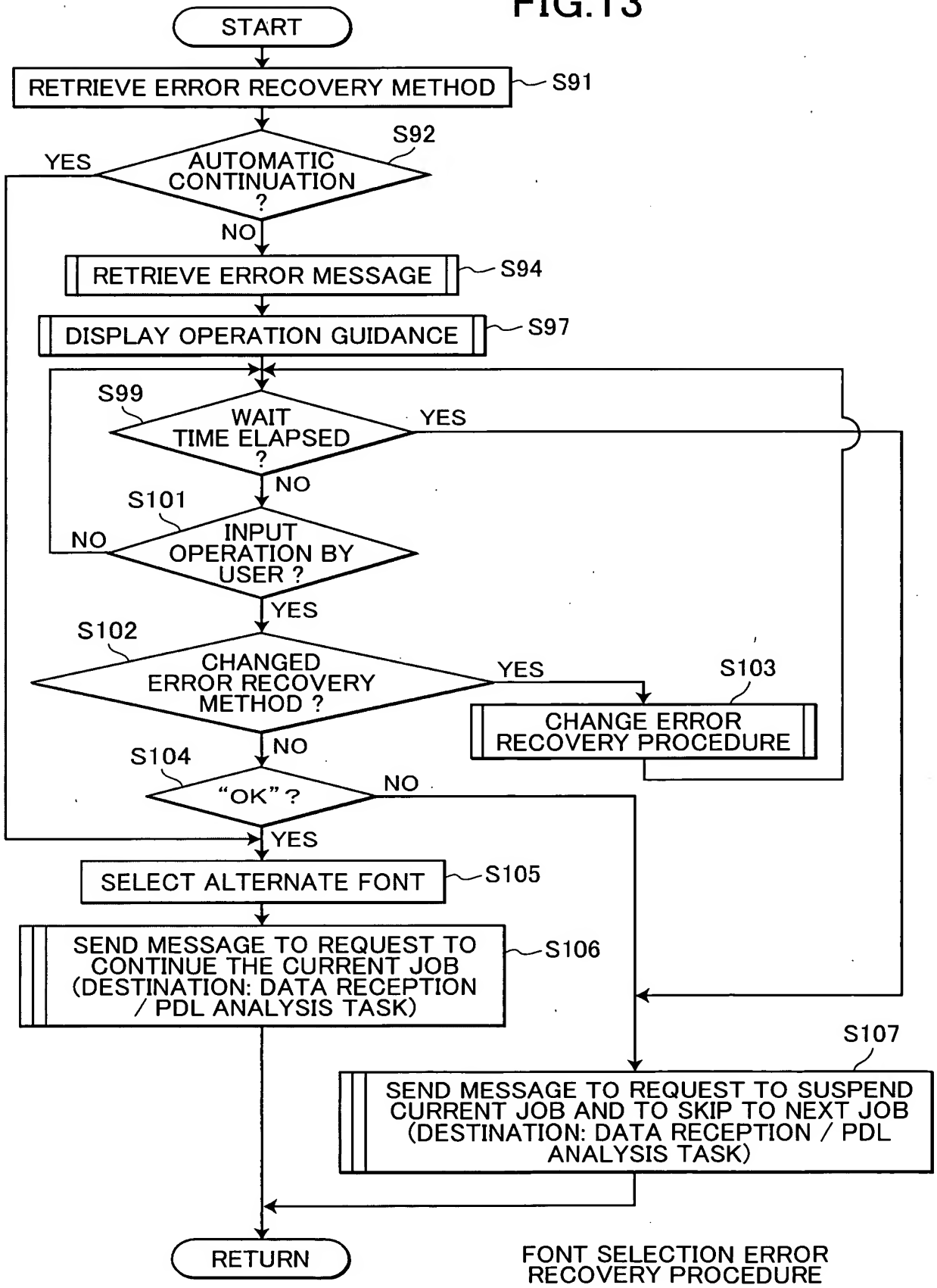
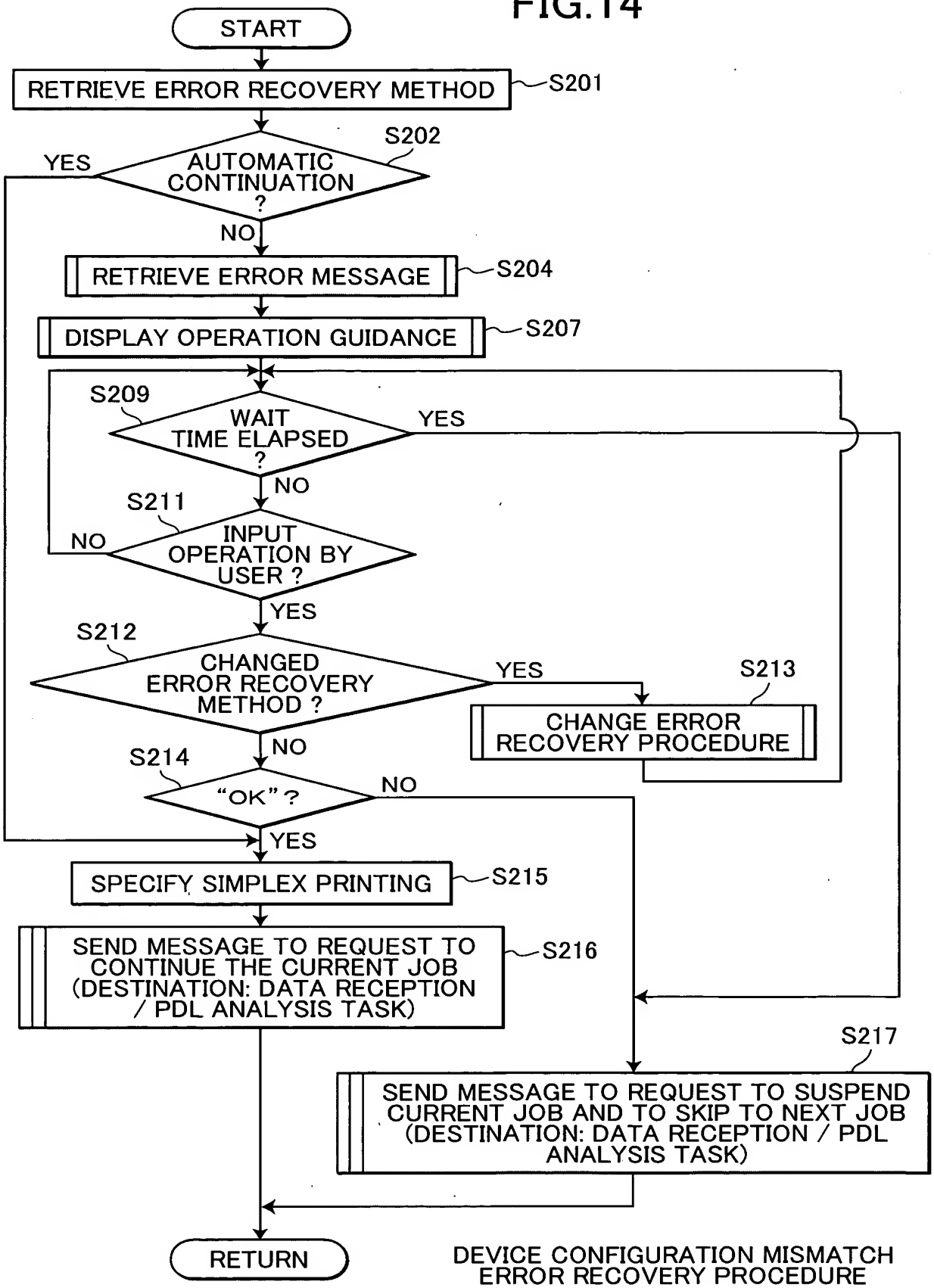

START
RETRIEVE ERROR RECOVERY METHOD
S61
S62
AUTOMATIC CONTINUATION ?
YES
NO
RETRIEVE ERROR MESSAGE
S64
DISPLAY OPERATION GUIDANCE
S67
S69
WAIT TIME ELAPSED ?
YES
S70
SEND MESSAGE TO REQUEST TO SKIP THE CURRENTJOB (DESTINATION: IMAGE PRINTING TASK)
NO
S71
INPUT OPERATION BY USER ?
NO
YES
S72
CHANGED ERROR RECOVERY METHOD ?
YES
S73
CHANGE ERROR RECOVERY PROCEDURE
NO
S74
"OK" ?
NO
YES
DISPLAY OPERATION GUIDANCE "SET SPECIFIED SIZE OF PAPER"
S76
S77
SETTING SHEET FINISHED OK ?
NO
YES
S78
CHECK SHEET SIZE
S79
SHEET SIZE MATCH ?
NO
YES
S80
SEND MESSAGE TO REQUEST TO CONTINUE THE CURRENT PRINT JOB (DESTINATION: IMAGE PRINTING TASK)
SHEET SIZE MISMATCH ERROR RECOVERY PROCESS
RETURN

FIG.13



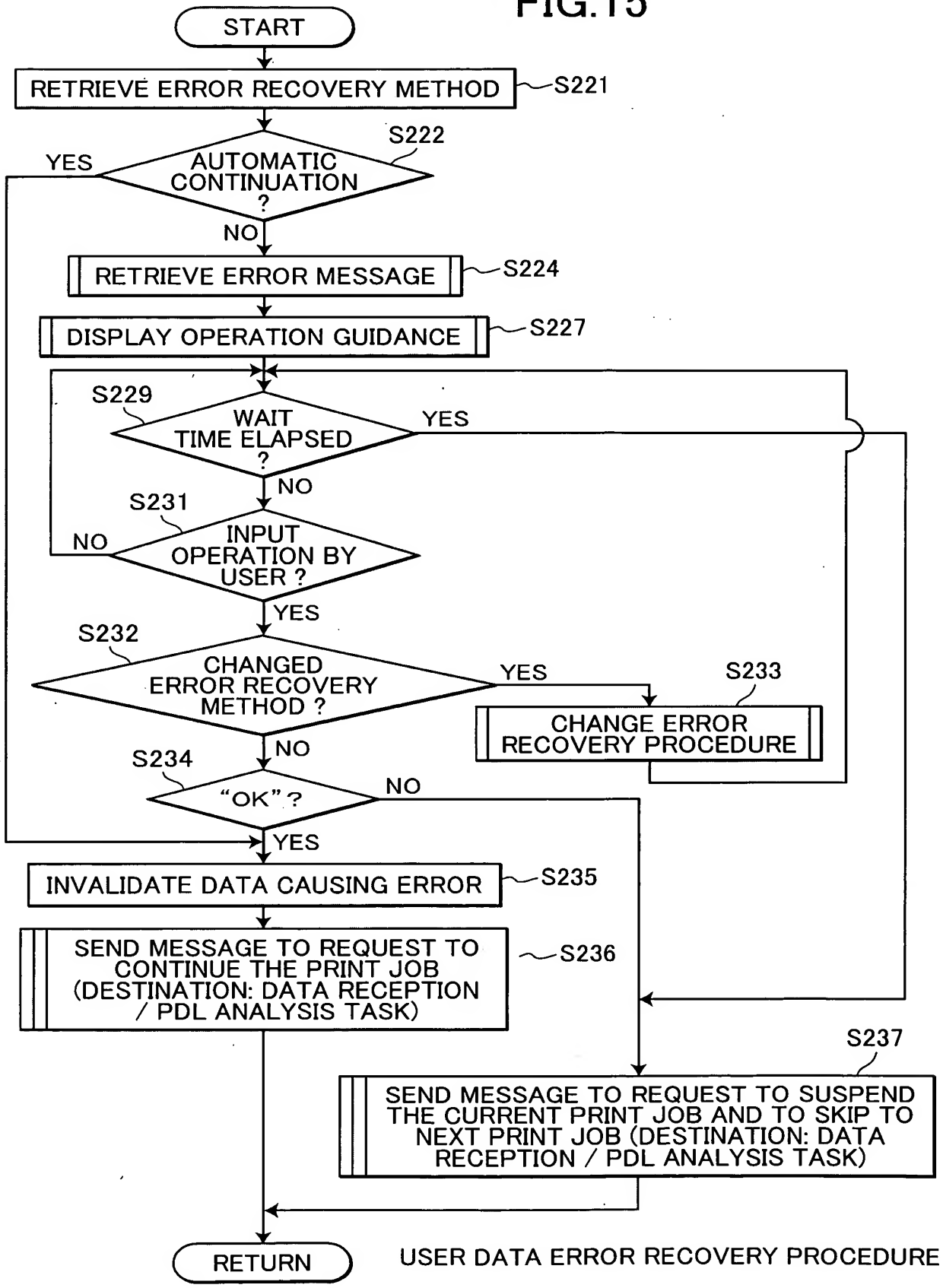
FONT SELECTION ERROR RECOVERY PROCEDURE

FIG.14



DEVICE CONFIGURATION MISMATCH ERROR RECOVERY PROCEDURE

FIG.15



USER DATA ERROR RECOVERY PROCEDURE